

DERWENT- 1986-256484
ACC-NO:

DERWENT- 198639
WEEK:

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TITLE: Laser cured adhesive spot welds - allows sufficient
curing to hold together until final curing in paint oven

PATENT-ASSIGNEE: NEWBOULD J[NEWBI]

PRIORITY-DATA: 1986RD-0268038 (July 20, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RD 268038	A August 10, 1986	N/A	000	N/A

INT-CL (IPC): C09J000/01

ABSTRACTED-PUB-NO: RD 268038A

BASIC-ABSTRACT:

Sheet metal parts to be joined at a flange have a bead or dots of heat curable adhesive incorporated between the sheets. The parts are tacked together by locally exposing portions of the sheet metal by a laser beam to heat the metal and adjacent adhesive. These adhesive spot welds are cured sufficiently to hold the panels together during assembly operations. After painting, the assembly is heated in a paint oven where the adhesive curing is completed.

Avoids marks on panels caused by spot weld electrodes of panels may be adhesively joined, and prevent the destruction of galvanising or other coating and enabling the joining of sheet metal to plastic parts. (-pp

CHOSEN- Dwg.0/0
DRAWING:

TITLE-TERMS: LASER CURE ADHESIVE SPOT WELD ALLOW SUFFICIENT CURE HOLD
FINAL CURE PAINT OVEN

DERWENT-CLASS: A35

CPI-CODES: A11-C01; A11-C02; A12-A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials:	0216 0229 0231 2016 2020 2194 2198 2371 2439 2488 2493
	3241 2629 2682 2685 2728 2792 3314
Multipunch	014 03- 04- 231 353 357 359 37& 387 431 446 47& 473
Codes:	477 52& 54& 551 567 602 609 656 678

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1986-111038